

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1 - 17. (Cancelled)

18. (Currently amended) An inkjet printer comprising:
a printhead for printing a media sheet;
a front duplex module comprising: (i) a media path entry where a media sheet to be printed can enter; (ii) a linefeed-roller assembly configured to transport the media sheet entering the media path entry toward the printhead to enable printing on a first side of the media sheet; (iii) an output-roller assembly configured to advance the media sheet in a forward direction or to reverse the media sheet in a reverse direction, wherein a simplex media path is defined between the linefeed rollers and the output-roller assembly, and the printhead is positioned downstream from the linefeed-roller assembly along the simplex media path but upstream from the output roller assembly; and
a back duplex module detachably coupled to the front duplex module, said back duplex module being configured to provide a single, unidirectional loop path for flipping the media sheet one time to thereby enable printing on a second side of the media sheet, wherein said loop path has an entry portion that is positioned next to the media path entry for receiving the media sheet from the front duplex module and an exit portion that is aligned to the simplex media path, and
wherein the front duplex module and the back duplex module are configured to provide a duplex media path that includes said loop path, and a duplex path entry that is positioned adjacent to the output-roller assembly but downstream from the printhead so as to enable a trailing edge of the media sheet to enter the duplex media path, and

wherein a portion of the linefeed-roller assembly is positioned adjacent to the duplex media path such that, after the trailing edge of the media sheet entered through the duplex path entry, the trailing edge must bypass said portion of the linefeed roller-assembly and the media path entry before entering the loop path

19. (Previously presented) The inkjet printer of claim 18, wherein the linefeed-roller assembly and the output-roller assembly are coupled to each other to provide a coordinated control for handling the media sheet.

20. (Previously presented) The inkjet printer of claim 18, wherein said back duplex module comprises a duplex roller arranged to advance the media sheet along said loop path toward the linefeed-roller assembly.

21. (Previously presented) The inkjet printer of claim 18, wherein said back duplex module comprises two duplex rollers arranged to advance the media sheet along said loop path toward the linefeed-roller assembly.

22. (Previously presented) The inkjet printer of claim 18, wherein said front duplex module further comprises a pair of transfer rollers arranged along the duplex media path to advance the media sheet along the duplex media path.